



Dr. S. & S. S. Ghandhy Government Engineering College, Surat.

An expert lecture on “*Innovation in Civil Engineering through Drone Technology: A Practical Demonstration*” was successfully organized by the **Civil Engineering Department** and **ISTE Students’ Chapter** of *Dr. S. & S. S. Ghandhy Government Engineering College, Surat*, in association with **SSIP 2.0** and **DIC Cell**. The session was conducted on **25th August 2025 (Monday)** at **C-101, Civil Seminar Hall**, starting from **1:10 PM onwards**. The expert speaker for the session was **Mr. Riv Nehariwala**, Co-founder & CTO of *Skymapper Drones, Surat*, who possesses significant expertise in drone technology and its applications in civil engineering.

The lecture focused on the growing importance of drone technology in modern civil engineering practices. The expert elaborated on how drones are transforming traditional methods of surveying, mapping, and infrastructure monitoring. Key topics discussed included aerial surveying, photogrammetry, GIS integration, real-time data acquisition, and the use of drones in construction site monitoring and disaster management. A major highlight of the session was the **practical demonstration**, where participants were introduced to drone operations, flight planning, and real-time data capturing techniques. The demonstration helped students understand how drones can generate accurate topographical data, 3D models, and digital elevation models efficiently. The session emphasized the advantages of drone technology such as improved accuracy, reduced time and cost, enhanced safety, and accessibility to difficult terrains.

The expert also discussed regulatory aspects, career opportunities, and the future scope of drone applications in civil engineering. The lecture concluded with an interactive question-and-answer session, where students actively engaged with the speaker and clarified their doubts regarding technical and practical aspects of drone usage. The event was conducted under the guidance of **Dr. S. R. Joshi (Principal)**, with coordination support from **Dr. S. I. Waikhom (HOD Civil)**, **Dr. M. K. Chudasama (SSIP & DIC Coordinator)**, and faculty coordinators **Dr. D. J. Mehta** and **Prof. P. G. Tandel**. Overall, the expert lecture proved to be highly informative and beneficial, providing students with valuable exposure to emerging technologies and encouraging innovation in the field of civil engineering.





SSIP



Dr. S. & S. S. Ghandhy Government Engineering College, Surat

Civil Engineering Department

&

ISTE Students' Chapter

In association with SSIP 2.0 & DIC Cell

Jointly Organizes

Expert Talk

on

**Innovations in Civil Engineering through Drone
Technology: A Practical Demonstration**



Mr. Riv Nehariwala

**Co-founder & CTO, Skymapper
Drones, Surat**

Date: 25.08.2025 (Monday)

Time: 1:10 pm onwards

Venue: C-101, Civil Seminar Hall

Patron

Convener

Coordinator

Dr. S. R. Joshi
Principal
DGSEC, Surat

Dr. S. I. Waikhom
Asso. Prof. & HOD Civil
DGSEC, Surat

Dr. M. K. Chudasma
SSIP & DIC Coordinator
DGSEC, Surat

Dr. D. J. Mehta
Prof. P. G. Tandel
Asst. Prof., CED
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